

Abstract

The present invention relates to a new thrombin inhibitor of formula (1) comprising an S subsite blocking segment (AS), an S' subsite blocking segment (Z), and a fibrinogen recognition exosite blocking segment (P). AS is linked to Z, which is linked to P according to the formula: AS-Z-P . The S' subsite blocking segment thus, besides binding to the thrombin S ' subsites, connects the S subsite blocking segment and the fibrinogen recognition exosite blocking segment. This binding of Z segment together with the bindings of the AS and P segments, contributes to improve the affinity of the inhibitors significantly.